

Hemerologium Astronomicum
In Annum Aerae Christianae

MDCCLVI.

OR AN

ALMANACK

For the year of Christ 1656

Being the Bissextile or Leap-year: And
from the Creation of the World 5605.

Containing the Places of the Sun and
Moon, their Conjunctions, Aspects, and
Eclipses; With their Rising, Southing,
and Setting.

Also variety of Rules and Tables both
Astronomical and Vulgar, of daily
use for most men.

Calculated exactly for the Meridian of
the most famous City of London,

By William Eland.

*Or homini sublimè dedit Calamque videre
Jussit, & erectos ad sidera tollere vulgus.*

LONDON

Printed by R. & W. A. for the Company
of Stationers, 1656.

A Table of the Terms, with their Returns,
for this present yeare 1656.

Return Dayes, or Dayes of <i>Essoyn</i>	Dayes of Exceptio	Return <i>Brevium</i>	Dayes of Appearan
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Hilary Term begins the 23 of *January*, ends the 12
of *February*, and hath four Returns.

<i>Oftab. Hil.</i>	Janua. 21	Janua. 22	Janua. 23	Janua. 23
<i>Quind. Hil.</i>	Janua. 28	Janua. 29	Janua. 30	Janua. 31
<i>Cras. Purif.</i>	Febru. 4	Febru. 4	Febru. 5	Febru. 6
<i>Oftab. Par.</i>	Febru. 9	Febru. 11	Febru. 11	Febru. 12

Easter Term begins the 23 of *Aprill*, ends the 19 of
May, and hath five Returns.

<i>Quind. Pas.</i>	Aprill 21	Aprill 22	Aprill 22	Aprill 23
<i>Tres Pasch.</i>	Aprill 28	Aprill 29	Aprill 30	May 1
<i>Mens. Pasc.</i>	May 5	May 6	May 7	May 8
<i>Quinq. Pas.</i>	May 12	May 13	May 13	May 14
<i>Cras. Ascen.</i>	May 16	May 17	May 19	May 19

Trinity Term begins the 6 of *June*, ends the 25 of
June, and hath four Returns.

<i>Cras. Trinit.</i>	June 2	June 3	June 5	June 6
<i>Oftab. Trin.</i>	June 9	June 10	June 11	June 12
<i>Quind. Trin.</i>	June 16	June 17	June 18	June 19
<i>Tres Trinit.</i>	June 23	June 24	June 25	June 26

Michaelmas Term begins the 23 of *October*, ends the
28 of *November*, and hath six Returns.

<i>Tres Micha.</i>	Octo. 20	Octo. 21	Octo. 22	Octo. 23
<i>Mens. Mich.</i>	Octo. 27	Octo. 28	Octo. 29	Octo. 30
<i>Cras. Anim.</i>	Nove. 3	Nove. 4	Nove. 5	Nove. 6
<i>Cras. Mar.</i>	Nove. 12	Nove. 13	Nove. 14	Nove. 15
<i>Oftab. Mar.</i>	Nove. 18	Nove. 19	Nove. 20	Nove. 21
<i>Quind. Ma.</i>	Nove. 25	Nove. 26	Nove. 27	Nove. 28

Note this generally, that the first and last dayes
of each Term are the first and last dayes of
Appearance.

The Anatomy of Mans Body, as the parts thereof are governed by the Moon in the twelve Signes.

Aries Head and face.



The Characters of the Seven Planets.

♄ Saturn } ☉ the Sun } ♀ Venus } ♂ Dragons head
 ♃ Jupiter } ☿ Mercury } ☿ Mercury } ♂ Dragons tail
 ♂ Mars } ☾ the Moon } ☿ Mercury } ☿ Mercury }

The Aspects both old and new.

- ♄ Conjunction, when planets are in one signe & degree.
- ♄♄ Semisextile, when they are asunder 1 signe.
- * Sextile, when they are asunder 2 signes.
- Q Quintile, when they are 2 signes 12 degrees asunder.
- Quartile, when they are one from another 3 signes.
- Td Tredecile, when they are distant 3 signes 18 degrees.
- △ Trine, when they are removed one from another 4 fig.
- Bq Biquintile, when they are parted 4 signes 24 degrees.
- Vc Quincunx, when they are 5 signes distant.
- ♄ Opposition, when they are distant a semicircle or 6 fig.

Vulgar Notes observable for this present year
1656.

Julian English, or Gregorian, Foreign,
old Accompt. or new Accompt.

4	Epact	4
4		4
April 6	Easter day	April 16
May 11	Rogation sunday	May 21
May 25	Whitsunday	June 4
November 30	Advent sunday	December 3

The face of the year namask'd, or the several
Columns in each moneth explained.

IN the Almanack are 7 rowes or columns, divided by
black lines; the first whereof sheweth the day of the
moneth, the second sheweth the day of the week, **A** be-
ing Dominical letter till the 25 of February, and after-
wards **C** to the end of the year: the third sheweth the
fixed and moveable Feasts, with the beginnings and end-
ings of the Terms; likewise in this column is contained
the places of **H**, **U**, **J**, **Q**, **P**, and **N**: the fourth co-
lumn sheweth the place of the Moon in signes and de-
grees: the fifth column sheweth the place of the Sun in
signes, degrees, and minures: the sixth sheweth the New
Full, and Quarters of the Moon, with all the most
eminent aspects of the planets; where you are to note,
that when you finde (p.) expressed, it signifies *post meri-*
diem, or afternoon, that is, from noon to midnight: and
when you finde (a.) expressed, it signifies *ante meridiem*
or before noon; that is, from midnight to noon: the se-
venth sheweth the Roman or Foreign Accompt, **A** being
Dominical letter till the 25 of February, and from
thence **B** to the end of the year.

January hath X X X I. dayes.

Saturn oriental with Luna the 5 day at midnight.
 Jupiter occidental with Luna the 22 day at 11 at night.
 Mars occidental with Luna the 22 day at 2 afternoon
 Venus oriental with Luna the 11 day at midnight.
 Mercury oriental with Luna the 24 day at midnight.

1 a	Peto yea. d	cance	16	21	8	Eclipsed	11	D
2 b	Petig.	leo	1	22	9	Full moon the	12	e
3 c	Δ O h 2 a.	leo	16	23	10	1 day, 55 min.	13	f
4 d	Telephorus	virgo	1	24	12	past 8 in the e-	14	g
5 e	h 22 59 m	virgo	16	25	13	vening.	15	a
6 f	Twelf day	libra	0	26	14	Q O ♂	16	f
7 g	Julianus	libra	14	27	15		17	e
8 a	Erhard	libra	27	28	16	Last quarter	18	D
9 b	□ ♂ 10 p.	scorpi	10	29	17	the 8 day 8	19	e
10 c	Earth in Δ	scorpi	23	29	19	min. past 1 in	20	f
11 d	h 22 33 v	sagitt	6	1	20	the afternoon.	21	g
12 e	Hyginus	sagitt	18	2	21	Δ 4 C 9 p.	22	a
13 f	1 Sund. af. Ep.	capri	0	3	22		23	f
14 g	Felix	capri	12	4	23	□ ♂ 3 p.	24	e
15 a	♂ 14 29 v	capri	24	5	24	SS ♂ Apog.	25	D
16 b	Marcellus	aquar	6	6	25	⊙ eclips. visib.	26	e
17 c	* h 2 5 p.	aquar	17	7	26	New moon the	27	f
18 d	Prif:a	pifces	29	8	27	16 days 4 min.	28	g
19 e	♀ 23 8 2	pifces	11	9	28	past 12 at noon	29	a
20 f	2 Sun. af. Epi.	pifces	23	10	29	□ ♀ at noon	30	f
21 g	Agneta	aries	5	11	30	2 ⊙ 4	31	e
22 a	Vincent	aries	18	12	31			
23 b	Term beg.	tauru	0	13	32		2	e
24 c	Timothy	tauru	13	14	33	First quarter	3	f
25 d	♀ 4 46 m	tauru	27	15	34	the 24 day 22	4	g
26 e	Polycarp.	gemini	10	16	34	min. past 1 in	5	a
27 f	3 Sun. af. Epi.	gemi	24	17	35	the afternoon.	6	f
28 g	♂ 26 21 v	cance	9	18	36		7	e
29 a	Carolus M.	cance	24	19	37	Full moon the	8	D
30 b	Marcellus	leo	9	20	38	31 day 2 min.	9	e
31 c	♂ 4 4 p.	leo	24	21	38	past 7 morning	10	f

February hath X X I X. dayes.

Saturn orientall with Luna the 3 day at 6 in the morning
 Jupiter occidental with Luna the 19 day at 2 afternoon.
 Mars occidental with Luna the 10 day at 8 in the morn.
 Venus orientall with Luna the 10 day at 11 at night.
 Mercury occidental with Luna the 15 day at 8 at night.

1	B	h 21 45	virgo	9 22 39		11	G
2	E		virgo	24 23 40	T d 4 2	12	A
3		Septuagesima	libra	9 24 40	□ 2 9 2.	13	B
4	B	♂ 8 9 p.	libra	23 25 41	* 2 11 p.	14	C
5	A	Agatha	scorpi	6 26 41	* 2 6 p.	15	D
6	D	Dorothy	scorpi	20 27 42	Last quart. the	16	E
7	C	* 4 6 a.	sagitt	2 28 42	7 day, 37 min.	17	F
8	D	Salome	sagitt	15 29 43	past 3 morning	18	G
9	E	4 26 57 V	sagitt	27 30 43	♂ 2 1 p.	19	A
10	F	Sexagesima	capri	9 31 43	* 2 3 a.	20	B
11	B	Desid Bish.	capri	21 32 44	Δ h 2 op. (Ω	21	C
12	A	Terminenda	aquar	3 33 44	(Apog.	22	D
13	B	♂ 4 3	aquar	14 34 45		23	E
14	C	Valentine	aquar	26 35 45	New moon the	24	F
15	D	Δ h 2 3 p.	pisces	8 36 45	15 day 46 min.	25	G
16	E	Constant.	pisces	20 37 45	past 7 in the	26	A
17	F	Shrove surp	aries	2 38 45	morning.	27	B
18	B	♂ 23 49	aries	15 39 45		28	C
19	A	Shrovetuesda.	aries	27 40 46	♂ h 2 10 a.	29	D
20	B	Ashwednesday	tauru	10 41 46		30	E
21	C	79 Martyrs	tauru	23 42 46	* 2 2 p.	31	F
22	D	Cath. Pet.	gemi	6 43 46	First quarter	3	G
23	E	4 28 24	gemi	20 44 46	the 23 day	4	A
24	F	Quadragesim.	cancer	4 45 46	m. past 1 in the	5	B
25	B	Matthias	cance	18 46 46	morning.) 8	6	C
26	C	Orul	leo	3 47 45) Perig.	7	D
27	A	Leander	leo	17 48 45	* 2 3 a.	8	E
28	B	Oswald.	virgo	8 49 45	♂ 2 h at noon	9	F
29	C	♂ 24 38	virgo	17 50 45	Δ 2 7 a.	10	G

March hath XXXI. dayes.

Saturn occidental with Luna the 27 day at 9 at night.
 Jupiter occidental with Luna the 18 day at 7 in the morn.
 Mars occidental with Luna the 20 day at 1 in the morn.
 Venus oriental with Luna the 11 day at 11 before noon.
 Mercury occidental with Luna the 16 day at 11 at night.

1	D	David Bith.	libra	2	21	45	Full moon the	11	a
2	☉	Sund. in Lent	libra	17	22	45	1 day, 58 min.	12	b
3	f	h 19 26 m	scorpi	1	23	45	past 2 in the	13	b
4	g	Adrian	scorpi	15	24	44	morning.	14	c
5	a	Letare	scorpi	28	25	44	Bq h 9	15	b
6	b	Fridelin	sagitt	11	26	43	♀ in digr. max.	16	c
7	c	Δ h 32.	sagitt	23	27	43	Last quarter	17	f
8	D	U 2 35 ♂	capri	6	28	43	the 7 day 5 m	18	g
9	☉	Sun. in Lent	capri	17	29	41	past 2 at night	19	a
10	f	Earth enters	capri	29	30	41		20	b
11	g	Cuniber	aquar	11	31	40	Vch ♀. Vch ♀	21	c
12	a	Gregory	aquar	23	32	39	(Apog.	22	d
13	b	Euphras.	pisces	5	33	39	SSO ♀ 12	23	e
14	c	♂ 24 4 ♂	pisces	17	34	38	♀ Retrograde	24	f
15	D	Longine	pisces	29	35	37	New moon the	25	g
16	☉	Sund. in Lent	aries	12	36	36	15 day 36 min.	26	a
17	f	Gertrude	aries	24	37	35	after midnight	27	b
18	g	Gabriel	tauru	7	38	34	□ ♂ ♀ 3 21	28	c
19	a	Rupere	tauru	20	39	34		29	d
20	b	Ioseph.	gemini	3	40	33		30	e
21	c	♀ 0 23 X	gemini	17	41	32	First quarter	31	f
22	D	Gotfridus	cance	0	42	31	the 23 day 45	1	g
23	☉	Sun. in Lent	cance	14	43	30	min. past 9 in	2	a
24	f	♀ 13 8 V	cance	28	44	28	the morning.	3	b
25	g	Annum Ma	leo	12	45	27	☾ Petig	4	c
26	a		leo	27	46	26	* U ♀ 11 P.	5	d
27	b	Jo. Erem.	virgo	12	47	25	Vc ♂ h	6	e
28	c	Gideon	virgo	26	48	24	SS ♀ ♀	7	f
29	D	♀ 23 6 W	libra	11	49	22	Full moon the	8	g
30	☉	Sund. in Lent	libra	25	50	21	30 day 46 min.	9	a
31	f	SS U ♀	scorp.	9	51	20	past 2 morning	10	b

... dayes.

Saturn occidental with Luna the 14 day at 3 morning.
Jupiter occidental with Luna the 15 day at 1 in the morn
Mars occidental with Luna the 17 day at 4 afternoon.
Venus oriental with Luna the 10 day at 11 before noon.
Mercury oriental with Luna the 12 day 11 at noon.

[illegible]

















May hath XXXI. dayes

Saturn occidental with Luna the 21 day at 9 in the morn
 Jupiter oriental with Luna the 12 day at 10 at night.
 Mars occidental with Luna the 16 day at 8 morning.
 Venus oriental with Luna the 11 day at 3 afternoon.
 Mercury oriental with Luna the 12 day at 6 at night.

1	Phil. 3a.	sagit	27	21	22		17	e
2	h 16	18 m capri	9	22	19		12	f
3	Invent. Cruet	capri	22	23	1		13	g
4	fund. aft. Ea.	aqua	3	24	15	Bq h ♀	14	h
5	h 16	2 ♀ aqua	15	25	12	Apog.	15	b
6	Joh. Port. Lat.	aqua	27	26	10	Last quarter	16	c
7	Beverly.	pisces	9	27	7	the 6 day 55	17	d
8	* 14	2 a. pisces	21	28	5	min. past 9 in	18	e
9	Nicholas	aries	3	29	3	the morning.	19	f
10	Gordian	aries	16	II	0		20	g
11	Rogat.	aries	28	0	58	* 3	21	h
12	♂ 2	30 ♀ tauru	12	I	55	♂ 5	22	b
13	h 16	18 m tauru	23	2	52	Δ h ♀ 3 a.	23	c
14	Boniface	gemi	9	3	50	New moon the	24	d
15	Ascens. Da.	gemi	23	4	47	14 day, 40 min	25	e
16	Adelg.	* eance	7	5	4	past 1 in the	26	f
17	Beitr. transl.	* eance	21	6	4	morning	27	g
18	6 fund. af. Ea.	leo	6	7	39		28	h
19	Wermends	leo	20	8	37	Perig.	29	b
20	Bernh.	virgo	4	9	34	First quarter	30	c
21	Uibanus	virgo	18	10	31	the 20 day, 21	31	d
22	Juliana	libra	2	11	29	min. past 9 at		e
23	♀ 15	7. ♀ libra	16	12	26	night.		f
24	Seivulus	libra	29	13	23	Δ h ♀ 4 p.		g
25	Robert Sunday	scorp	13	14	20	♂ ♀ 7 p.		h
26	Edwardus	scorp	26	15	18	♀ Occidental		b
27	Beda	sagit	9	16	15	♂ ♀ 7 a.		c
28	♀ 18	39 II sagit	22	17	12	♂ ♀ 4 p.		d
29	Coronis M.	capri	5	18	9	Full moon the		e
30	Felix	* capri	17	19	6	38 day, near 1		f
31	♂ 19	46 v capri	29	20	4	in the morning		g

June hath X X X. dayes.

Saturn occidental with Luna the 17 day at 4 afternoon
 Jupiter oriental with Luna the 9 day at 7 at night.
 Mars occidental with Luna the 13 day at 10 at night.
 Venus oriental with Luna the 10 day at 6 at night.
 Mercury occidental with Luna the 13 day at 8 at night.

1	 Trin. Sun.	aquar	11	21	01				
2	f  16 50	aquar	23	21	58	Apog.			
3	g Erasmus	pisces	05	22	55	 h 2			
4	a Medard	pisces	17	23	52	* h 3	1 a.		
5	b Boniface	pisces	29	24	49	Last quarter			
6	c Term beginn	aries	11	25	46	the 5 day	40		
7	d  23 32	aries	23	26	43	min. past 2 in			
8	e Sund.af.Tri.	tauru	06	27	40	the morning.			
9	f Edmond	tauru	20	28	38				
10	g Onufri	gemi	03	29	35				
11	a Longest day	gemi	17	30	32	* h 2	10 a.		
12	b  22 20	cance	02	1	29	New moon			
13	c  28	cance	16	2	26	the 12 day at			
14	d Valerius	leo	01	3	23	11 before noon			
15	e Sund.af.Tri.	leo	16	4	20	 7 a.			
16	f  28	virgo	00	5	17	*  2 1 a.			
17	g Corpus Chr.	virgo	15	6	14	*  3 8 p.			
18	a Volch.	virgo	29	7	11				
19	b  h 2 11 a.	libra	13	8	08	First quarter			
20	c  19 1	libra	26	9	05	the 19 day, 41			
21	d Paul Bish.	scorpi	10	10	02	min. past 1 in	July		
22	e Sund.af.Tri.	scorpi	23	10	59	the morning.			
23	f  6 40	sagitt	06	11	56				
24	g John Bapt.	sagitt	19	12	54	 4 2			
25	a Term ends	capri	01	13	51				
26	b Crescente	capric	13	14	48	Full Moon the			
27	c 7 Sleepers	capri	26	15	45	26 day 44 min.			
28	d Leopold.	aquar	08	16	42	past 1 in the			
29	e Sund.af.Trin.	aquar	20	17	39	afternoon.			
30	f  18 11	pisces	01	18	36	*  at noon	10 b		

July hath XXXI. dayes.

Saturn occidental with Luna the 15 day at 4 in the morn

Jupiter oriental with Luna the 7 day at 2 afternoon.

Mars occidental with Luna the 12 day at 2 afternoon.

Venus oriental with Luna the 10 day at 5 at night.

Mercury occidental with Luna the 13 day at 11 morning

1	g	h	18	41	♊	pisces	13	19	33	♂	h	♄	10p.	11	c
2	a					pisces	25	20	30	♀	elong.	max.		12	d
3	b					aries	7	21	27		SS	h	♀	13	e
4	c					aries	19	22	25	Qh	♀	SS	♂	14	f
5	d	♈	29	9	♈	tauru	2	23	22				Last quarter	15	g
6	e	♊			♊	tauru	14	24	19				the 4 day 34	16	h
7	f					tauru	28	25	16				min. past 5 at	17	i
8	g					gemi	11	26	13				night.	18	j
9	a					gemi	25	27	11					19	k
10	b					cance	10	18						20	l
11	c	♈	10	45	♈	cance	25	29	5				New moon the	21	m
12	d					leo	10		2				11 day, 8 min	22	n
13	e	♊			♊	leo	25	1	0				before 7 at	23	o
14	f					virgo	10	1	57				nighr.	24	p
15	g					virgo	24	2	54	*	h	♀	9 p.	25	q
16	a	♀	20	45	♎	libra	9	3	51	*	♂	♄	8 p.	26	r
17	b					libra	23	4	49	□	♀	♄	9 a.	27	s
18	c	♀				scor	7	5	46				First quarter	28	t
19	d					scor	20	6	43				the 18 day, 34	29	u
20	e	♊			♊	sagit	3	7	41				min. past 9 in	30	v
21	f	♀	24	39	♎	sagit	16	8	38				the morning.	31	w
22	g					sagit	28	9	36	Δ	♀	♄	4 a.		x
23	a					capri	10	10	33					2	y
24	b	♀			♏	capri	22	11	31	Δ	h	♄	8 a.	3	z
25	c					aqua	4	12	28	*	♈	♀	13 p.	4	aa
26	d					aqua	16	13	25				Full moon the	5	ab
27	e	♊			♊	aqua	28	14	23				16 day 35 min	6	ac
28	f	♈	16	42	♈	pisces	10	15	21				past 4 in the	7	ad
29	g					pisces	22	16	18				morning.	8	ae
30	a					aries	4	17	16				♀ oriental	9	af
31	b					aries	16	18	13	♄	♄	♀	4 a.	10	ag

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1	Lammas day	aries	28	19	11	
2	h 21 50 m	tauru	11	20	9	Q 4 ♀
3	9 Sun. af. Trin	tauru	22	21	5	Last quarter
4	f Aristarchus	gemi	6	22	4	the 3 day 40
5	g Oswald	gemi	20	23	2	min. past 6 in
6	a 4 3 58 II	cancer	4	23	59	the morning.
7	b) with Pol. H.	cance	18	24	57	☾ ☽
8	c) with Afellus	leo	3	25	55	* 4 ☾ 1 p.
9	d) neer Cor	leo	18	26	53) Perig.
10	10 Sun. af. Tri	virgo	3	27	51	New moon the
11	e ☽ 25 m	virgo	28	28	48	10 day 19 min.
12	g Clara	libra	3	29	46	past 2 in the
13	a Hippolit.	libra	18	m	44	morning.
14	b) with Spicam	scorpi	2	1	42	* ☽) 11 a.
15	c Allam. Mar.	scorpi	16	2	40	☐ ♀ ☾ 8 a.
16	d ♀ 28 0 ♀	sagitt	0	3	38	First quarter
17	11 Sun. af. Tri.	sagitt	12	4	36	the 16 day, 16
18	f ☐ ☽ 4 a.	sagitt	25	5	34	min. past 7 at
19	g Sebaldu	capri	7	6	32	night.) ☽
20	a Bernard	capri	19	7	30	
21	b ♀ 21 13 ♀	aquar	1	8	28	☐ 4 ♀ 5 p.
22	c Simphon.	aquar	13	9	26	
23	d ☽ ♀ ☾ 8 a.	aquar	25	10	25) Apog.
24	e Barthol. Ap.	pisces	7	11	23	Full moon the
25	f Ludovicus	pisces	19	12	21	24 day 39 min
26	g * 4) 8 p.	aries	1	13	20	past 8 at night
27	a Gebbard.	aries	13	14	18	
28	b Augustus	aries	25	15	16	
29	c Do. days end	tauru	7	16	15	△ ♀ ☾ 3 a.
30	d ♀ 14 56 ♀	tau u	20	17	13	☐ 4 ♀ 10 a.
31	e 13 Sun. af. Tri.	gemi	3	18	12	

September hath X X X. dayes.

Saturn occidental with Luna the 8 day at 10 before noon
 Jupiter oriental with Luna the 27 day at 11 at night.
 Mars oriental with Luna the 7 day at 9 at night.
 Venus oriental with Luna the 7 day at 1 afternoon.
 Mercury oriental with Luna the 8 day at 5 morning.

1	f	h	25	25	17	gemi	16	19	10	Last quart. the	11	b
2	g	o	o	q	3 p.	gemi	29	20	9	1 day 50 min.	12	c
3	a					cance	13	21	7	past 5 in the	13	d
4	b	Cuthbert				cance	27	22	6	morning.	14	e
5	c	*	u	c	2 a.	leo	11	23	5	7 d u q	15	f
6	d	Magnus				leo	26	24	3	Perig.	16	g
7	e	14	Sun.af.Tri.			virgo	11	25	2	o h q 8 a.	17	b
8	f	Nat.Mar.				virgo	27	26	1	New moon	18	c
9	g	u	6	19	II	libra	12	27	0	the 8 day 10	19	d
10	a	o	h	q	4 a.	libra	27	27	58	m'n. past 10 in	20	e
11	b	q	Occidental			scorpi	11	28	57	the morning.	21	f
12	c	Tobias				scorpi	25	29	56		22	g
13	d	Earth in v				agita	8	55	o	u c 7 a.	23	b
14	e	15	Sun.af.Tri.			agita	21	1	54	o c at noon	24	c
15	f	o	22	49	III	capri	4	2	53	First quarter	25	d
16	g	o	q	q	6 a.	capri	16	3	52	the 15 day 40	26	e
17	a	Lambert				capri	28	4	51	min. past 8 in	27	f
18	b	Ferrius				aquar	2	5	51	the morning.	28	g
19	c					aquar	22	6	50		29	b
20	d	Windel.				pisces	4	7	49	C Apog.	30	c
21	e	16	attain			pisces	16	8	48		31	d
22	f	Maurit.				pisces	28	9	47	o h c at noon	2	e
23	g	o	h	o	7 p.	aries	10	10	46	Full moon the	3	f
24	a	q	17	31	IV	aries	22	11	46	23 day 6 min.	4	g
25	b	Crispinus				tauru	4	12	45	past 1 after-	5	b
26	c	q	24	21	V	tauru	17	13	44	noon.	6	c
27	d	Judith				gemi	0	14	44	o c i p.	7	d
28	e	17	Sun.af.Tri.			gemi	13	15	43	SS h q	8	e
29	f	18	Michael Ar.			gemi	26	16	42	B q u q	9	f
30	g	o	13	18	VI	cance	9	17	42		10	g

October hath XX XI. dayes,

Saturn oriental with Luna the 6 day at 2 in the morning.
 Jupiter oriental with Luna the 21 day at 1. in the morn.
 Mars oriental with Luna the 6 day at 1 afternoon.
 Venus occidental with Luna the 8 day at 11 before noon.
 Mercury occidental with Luna the 9 day at 2 in the morn.

1	a	h	29	6	m	cance	23	18	42	Last quarter	1	11	d
2	b		Leodeg.			leo	6	19	41	day 43 m. past	12	12	e
3	c		Candid. Mart.			leo	21	20	41	3 in the morn.	13	13	f
4	d		♀ enters m			virgo	5	21	41	☾ Perig.	14	14	g
5	e		18 Sun.af. Tri.			virgo	20	22	41	△ ♄ ♂ 6 a.	15	15	h
6	f		♄ 5 32 II			libra	5	23	41	△ ♄ ☾ at noon	16	16	b
7	g		Faith Virg.			libra	20	24	40	New moon the	17	17	c
8	a		Pelag. Virg.			scorpi	5	25	40	7 day 21 min.	18	18	d
9	b		h enters ☾			scorp	19	26	40	past 7 at night	19	19	e
10	c		Gedeon			scorp	3	27	40		20	20	f
11	d		♂ 9 40 ☾			sagitt	17	28	40	* B q ☉ ♄	21	21	g
12	e		9 Sun.af. Tri.			capri	0	29	40	SS ☉ h ☾	22	22	h
13	f		Earth enters ☿			capri	12	☾	40	☐ ♂ ☾ 8 a.	23	23	b
14	g		Callixtus			capri	25	1	40	* ♀ ☾ 4 a.	24	24	c
15	a		Hedwig			aquar	7	2	40	First quarter	25	25	d
16	b		♀ 14 59 m			aquar	19	3	40	the 15 day 23	26	26	e
17	c		Florence			pisces	0	4	40	min. past 2 in	27	27	f
18	d		Luke Eban.			pisces	12	5	40	the morning.	28	28	g
19	e		0 Sun.af. Tri.			pisces	24	6	41		29	29	h
20	f		♂ h 1 a.			aries	5	7	41	* ♄ ☾ 7 a.	30	30	b
21	g		♀ enters ♄			aries	18	8	41	♂ ♂ ☾ 7 a.	31	31	c
22	a		Cordula			tauru	1	9	41	Full moon the			d
23	b		Term beg.			tauru	13	10	42	23 day 20 min.	2	2	e
24	c		♂ h ♀ 3 a			tauru	26	11	42	past 5 in the	3	3	f
25	d		Transl. of J.			gemi	9	12	42	morning.	4	4	g
26	e		21 Sun.af. Tri.			gemi	23	13	43	△ ♂ ☾ 5 a.	5	5	h
27	f		♄ 11 52 ♄			cance	6	14	43	☾ ☽	6	6	b
28	g		Sim. & Jude			cance	19	15	44	♀ in max. eva.	7	7	c
29	a		Narcissus			leo	3	16	44	Last quarter	8	8	d
30	b		♂ ♄ ♀ 10 p.			leo	17	17	45	the 30 day, 16	9	9	e
31	c		☾ Perig.			virgo	1	18	45	min. afternoon	10	10	f

November hath X X X dayes.

Saturn oriental with Luna the 2 day at 4 afternoon.
 Jupiter occidental with Luna the 21 day at 2 morning.
 Mars oriental with Luna the 4 day at 5 in the morning.
 Venus occidental with Luna the 7 day at 1 afternoon.
 Mercury occidental with Luna the 7 day at 4 afternoon.

1	All Saints	virge	15	19	46	☐ ☽ ☾ 5 a.	11	g
2	22 Sun. af. Tri.	libra	0	10	47	△ ☽ ☾ 11 p	12	
3	☽ 2 42	libra	14	11	48		13	b
4	Frideswick	libra	29	22	48		14	c
5	Howd. Plot	scorpi	13	23	49	B q ☽ ☽	15	d
6	Leonard	scorpi	27	24	50	New moon	16	e
7	☽ 2 2 II	saitta	11	25	50	the 6 day 42	17	f
8	☽ ☽ ☽ 2 p.	sagitt	25	26	51	min. past 6 in	18	g
9	23 Sun. af. Tri.	capri	8	27	52	the morn. ☽	19	
10	Triphon	capri	20	28	53		20	b
11	Martinus	aquar	3	29	54	SS ☽ ☽	21	c
12	☽ occidental	aquar	15	2	55	* ☽ ☾ 8 p.	22	d
13	☽ 1 22 m	aquar	27	1	56	First quarter	23	e
14	(Apog.	pisces	8	2	56	the 13 day 51	24	f
15	* ☽ ☽ 7 a.	pisces	20	3	57	min. past 10	25	g
16	24 Sun. af. Tri.	aries	4	4	58	at night.	26	
17	☽ Oriental	aries	14	5	59	☽ ☽ ☽ 2 p.	27	b
18	Gelasius	aries	26	7	0	SS ☽ ☽	28	c
19	Elizaberha	tauru	9	8	1	* ☽ ☽ 10 a.	29	d
20		tauru	22	9	2		30	e
21	☽ enters ☽	gemi	5	10	3	Full moon the		
22	Cecilie	gemi	18	11	5	21 day 43 min.	3	
23	25 Sun. af. Tri.	cance	2	12	6	past 8 at night	4	b
24	Chrisogon	cance	16	13	7	△ ☽ ☽ at mid-	5	c
25	☽ 28 45 2	leo	0	14	8	night. B q ☽ ☽	6	d
26	Conrade	leo	14	15	9	☽ ☽ ☽ 4 a.	7	e
27	☽ Direct	leo	28	16	10	Last quart. the	8	f
28	Term ends	virgo	12	17	11	28 day 8 min.	9	g
29	☽ 10 8 ☽	virgo	26	18	13	past 8 at night	10	
30	Advent. Su.	libra	10	19	14	Andrew Apo		

December hath XXXI dayes.

Saturn oriental with Luna the 27 day at 9 in the morning
 Jupiter occidental with Luna the 17 day at 5 in the morn
 Mars oriental with Luna the 2 day at 9 at night
 Venus occidental with Luna the 7 day at 8 at night
 Mercury oriental with Luna the 4 day at 2 in the morning

1	f	h	4	54	♈	libra	24	20	15		11	b
2	g	Candius				scorpi	8	21	16	* ♂ ♀ 7 p.	12	c
3	a	Cassianus				scorp	22	22	17	♀ ♀ 10 p.	13	d
4	b	Barbara				sagitt	6	23	19		14	e
5	c	♂ 18 26	II			sagitt	19	24	20	New moon the	15	f
6	d	Nicholaus				capri	3	25	21	5 day 42 min.	16	g
7	e	2 Sund. in Adv.				capri	11	26	22	past 8 at night	17	h
8	f	Concept. Mar.				capri	25	27	24		18	i
9	g	Joachim				aquar	10	28	25	Td h ♀	19	c
10	a	♂ 19 23	m			aquar	23	29	26	☐ ♀ 10 p.	20	d
11	b	Shortest day				pisces	4	27	28	☐ ♀ 9 p.	21	e
12	c	Valerius				pisces	16	1	29	☾ Apog.	22	f
13	d	Lucie Virg.				pisces	28	2	30	First quarter	23	g
14	e	2 Sund. in Adv.				aries	10	3	31	the 13 day 36	24	h
15	f	♀ 0 5	☿			aries	21	4	33	min. past 8 at	25	i
16	g					tauru	4	5	34	night.	26	c
17	a	Lazarus				tauru	17	6	35	☾ h ♀	27	d
18	b	Christopher				gemi	0	7	37	☐ ♀ ☾ 7 p.	28	e
19	c	♂ ♀ ☾ at midn.				gemi	13	8	38	☐ h ♀ at mid-	29	f
20	d	♀ 21 39	♂			gemi	27	9	39	night. ☾ ☿	30	g
21	e	Thomas	♈			cance	11	10	40	Full moon the	31	h
22	f	Theodor.				cance	25	11	42	21 day 36 min.		i
23	g	Victor, Ving.				leo	10	12	43	past 10 in the	2	b
24	a	Adam & Eve				leo	24	13	44	morning.	3	c
25	b	Christ's nat.				virgo	9	14	45	☾ Perig.	4	d
26	c	Stephe				virgo	23	15	47	☐ ♀ ☾ 6 p.	5	e
27	d	John Eban.				libra	7	16	48	B q ♀ ♀	6	f
28	e	Innocents				libra	21	17	50	Last quarter	7	g
29	f	Jonathan				scorpi	5	18	51	the 28 day 34	8	h
30	g	♂ 8 19	☿			scorpi	19	19	52	min. past 4 in	9	i
31	a	Sylvester				sagitt	2	20	53	the morning.	10	c

Cælorum Declaratio:

OR A
PROGNOSTICATION

FOR THE

Yeare of our Lord, 1656.

BEING

BISSEXTILE OR LEAP-YEARE.

Containing a brief Chronography of the
four Seasons of the Year, with a true de-
scription of all the Eclipses, and the cause
thereof; with a brief Astrological Judgment
of the state of the Year in general.

Also divers other Rules and Tables, both
Astronomical, Astrological; and Vulgar.

Pleasant and profitable for all sorts of men,
but chiefly those who are desirous of
such a Work.

Calculated exactly for the Meridian of the most
famous City of LONDON.

By *William Eland.*

*Culi enarrant gloriam Dei, fortis, & opus manuum
eius indicat expansum eorum, Psal. 19. 2.*

London: Printed for the Company of
STATIONERS, 1656.

Astronomical Calculations for this present YEARE, 1656.

SATURN is retrograde from the beginning of the year to the eighth of May, and from thence direct to the end of the year.

JUPITER is direct till the fourteenth of September, and from thence retrograde to the end of the year.

MARS and **VENUS** are direct all the year.

MERCURY is direct till the fourteenth of March, and then retrograde till the seventh of April, then again direct till the eighteenth of July, and from thence retrograde till the eleventh of August, then direct till the eighth of November, then retrograde to November 27. and from thence direct to the end of the year.

Note, all the time a Planet is direct, it moves according to the succession of the Signs, viz. from Aries to Taurus, but when it is retrograde the motion is contrary, viz. from Aries to Pisces, &c.

Veneris Stella resplendida cum antegreditur Solem, quæpiam Græcè, Lucifer Latinè dicitur: Cum vero subsequitur, & ab occasu refulget, Vesper, Vesperugo, & longè nominatur.

This glorious Planet Venus is Oriental, or our bright Morning Star, rising before the Sun, from the beginning of the year, till the second of September; at which time she is in Conjunction with the Sun, and becomes occidental, or our glittering Evening Star, appearing very gloriously in the West after Sun-set, and so continues to the end of the year.

To finde the time of the Sun-rising, or setting,
and consequently the length of the
Day and Night throughout the whole
YEARE.

For the ready finding of the Suns rising and setting, I have added the subsequent Table, the use whereof is thus. In the head of this Table) consisting of fourteen columns) are placed the names of the twelve Moneths, viz. January, February, &c. July, August, &c. and in the first and eighth Column thereof, are placed the daies of the Moneth, from 1. to 31. Moreover, in the head of the Table, under the names of the Moneths, is *Ris. S. Set.* which signifieth Sun-rising, and Sun-setting, and below that is *H. M. H.* which signifieth, Hours, Minutes, Hours.

For example :

I would know the Sun-rising and setting, January 10. First, I find January in the head of the Table, and in the first Column on the left hand I find the tenth day, and right against the tenth day under January I find 7. 50. 5. which shew me, that the Sun riseth at seven a clock, and fifty minutes past in the Morning, and setteth at fifty minutes before five at night; and so for the rest.

Now if you would know the length of the day and night, but double the hour and minute of the Suns setting, and the sum is the length of the day; and if you double the hours and minutes of Sun-rising, you shall have the hour of the night.

Example :

The tenth day of January I would know the length of the day and night, I find (by the precedent directions) the Sun riseth at 7. hours 50. min. which doubled is 15. hours 40. min. for the length of the night, and 4. hours 10. min. the Sun-setting being doubled, makes 8. hours 20. min. for the length of that day.

Eland.

A Table of the Sun's

Dates.	January.	February.	March.	April.	May.	June.
	Ris. S. let	Ris. S. let	Ris. S. let	Ris. S. let	Ris. S. let	Ris. S. let
	H. M. H.	H. M. H.	H. M. H.	H. M. H.	H. M. H.	H. M. H.
1	8 02 4	7 15 5	5 18 6	5 20 7 4	22 8 3	50 9
2	8 00 4	7 14 5	6 16 6	5 17 7 4	21 8 3	49 9
3	7 58 5	7 12 5	6 14 6	5 14 7 4	20 8 3	49 9
4	7 57 5	7 11 5	6 12 6	5 12 7 4	19 8 3	49 9
5	7 56 5	7 10 5	6 10 6	5 10 7 4	17 8 3	48 9
6	7 55 5	7 8 5	5 8 6	5 8 7 4	14 8 3	48 9
7	7 54 5	7 5 5	5 6 6	5 5 7 4	13 8 3	48 9
8	7 53 5	7 4 5	5 4 6	5 2 7 4	12 8 3	47 9
9	7 52 5	7 1 5	5 2 6	5 1 7 4	11 8 3	47 9
10	7 50 5	6 59 6	6 0 6	4 59 8 4	10 8 3	47 9
11	7 49 5	6 57 6	5 58 7 4	57 8 4	9 8 3	47 9
12	7 47 5	6 55 6	5 56 7 4	55 8 4	7 8 3	47 9
13	7 46 5	6 53 6	5 54 7 4	53 8 4	6 8 3	48 9
14	7 45 5	6 51 6	5 52 7 4	52 8 4	5 8 3	48 9
15	7 44 5	6 48 6	5 50 7 4	50 8 4	3 8 3	48 9
16	7 42 5	6 46 6	5 48 7 4	48 8 4	2 8 3	49 9
17	7 41 5	6 42 6	5 46 7 4	46 8 4	1 8 3	49 9
18	7 39 5	6 40 6	5 44 7 4	44 8 4	0 8 3	49 9
19	7 38 5	6 38 6	5 43 7 4	43 8 3	59 9 3	50 9
20	7 36 5	6 36 6	5 41 7 4	42 8 3	58 9 3	50 9
21	7 35 5	6 34 6	5 39 7 4	40 8 3	57 9 3	51 9
22	7 32 5	6 32 6	5 37 7 4	39 8 3	56 9 3	51 9
23	7 31 5	6 31 6	5 36 7 4	37 8 3	55 9 3	52 9
24	7 30 5	6 30 6	5 35 7 4	35 8 3	54 9 3	53 9
25	7 28 5	6 28 6	5 34 7 4	33 8 3	53 9 3	54 9
26	7 26 5	6 26 6	5 32 7 4	31 8 3	52 9 3	54 9
27	7 25 5	6 24 6	5 30 7 4	30 8 3	52 9 3	56 9
28	7 23 5	6 22 6	5 28 7 4	28 8 3	51 9 3	56 9
29	7 20 5	6 20 6	5 26 7 4	26 8 3	51 9 3	56 9
30	7 18 5		5 23 7 4	24 8 3	51 9 3	
31	7 16 5		5 21 7		3 50 9	

1636.

Rising and Setting.

	July.		August.		Septem.		October.		Novem.		Decemb.	
	Ris.	Set.	Ris.	Set.	Ris.	Set.	Ris.	Set.	Ris.	Set.	Ris.	Set.
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
1	3	57	9	4	38	8	5	37	7	6	35	6
2	3	56	9	4	40	8	5	38	6	7	36	5
3	3	58	9	4	42	8	5	40	6	7	38	5
4	3	59	9	4	44	8	5	42	6	7	39	5
5	4	10	8	4	46	8	5	44	6	7	40	5
6	4	1	8	4	48	8	5	46	6	7	42	5
7	4	2	8	4	50	8	5	48	6	7	43	5
8	4	3	8	4	52	8	5	50	6	7	44	5
9	4	4	8	4	54	8	5	52	6	7	45	5
10	4	5	8	4	56	8	5	54	6	7	46	5
11	4	6	8	4	58	8	5	56	6	7	47	5
12	4	8	8	4	59	8	5	58	6	7	48	5
13	4	9	8	4	60	8	5	60	6	7	49	5
14	4	10	8	4	61	8	5	61	6	7	50	5
15	4	11	8	4	62	8	5	62	6	7	51	5
16	4	12	8	4	63	8	5	63	6	7	52	5
17	4	13	8	4	64	8	5	64	6	7	53	5
18	4	14	8	4	65	8	5	65	6	7	54	5
19	4	15	8	4	66	8	5	66	6	7	55	5
20	4	16	8	4	67	8	5	67	6	7	56	5
21	4	17	8	4	68	8	5	68	6	7	57	5
22	4	18	8	4	69	8	5	69	6	7	58	5
23	4	19	8	4	70	8	5	70	6	7	59	5
24	4	20	8	4	71	8	5	71	6	7	60	5
25	4	21	8	4	72	8	5	72	6	7	61	5
26	4	22	8	4	73	8	5	73	6	7	62	5
27	4	23	8	4	74	8	5	74	6	7	63	5
28	4	24	8	4	75	8	5	75	6	7	64	5
29	4	25	8	4	76	8	5	76	6	7	65	5
30	4	26	8	4	77	8	5	77	6	7	66	5
31	4	27	8	4	78	8	5	78	6	7	67	5

England.

Of the Eclipses this Year.

THe Inhabitants of the earth will be deprived of the light of the Luminaries by their Conjunctions and Oppositions five times this present year, twice shall part of the verreneal Star be deprived of the Suns illuminating rays, and thrice shall this secondary Planet, the Moon, be subject to the like passion, the two former whereof will only be visible to us in England.

The first visible Eclipse is of the Moon, January 1. in the evening.

	ho.	mi.	sec.	
The beginning at	6	49	46	} At Night.
The true Opposition	8	16	53	
The middle or greatest obscuration	8	21	42	
The end	9	53	38	
Digits eclipsed	10 d. 51			

Those people may see this Eclipse in their Meridian, who are removed from London towards the East 3. ho. 26. min. 37. sec. under the longitude of 72. degrees, 44. min. 15. sec. which Meridian passeth neer Syria, Chaldea, Persia, Damascus, Hierusalem, &c.

The second visible Eclipse is of the Sun, which happeneth January 16. in the afternoon.

	ho.	mi.	sec.	
The beginning at	0	1	48	} Afternoon.
The middle	1	37	26	
The visible Conjunction	1	39	28	
The end	3	8	27	
The Digits Eclipsed are	8 d. 15 18			

The third is a total Eclipse of the Moon upon the 26. of June, appearing to the Inhabitants of Syria, India, Arabia, China, Lapland, in the Islands Sumatra, both the Iava's, and in the Philippine Islands.

The fourth Eclipse is of the Sun, July the 11. in the Evening, and will appear total in the Southern parts of the

the earth, in the Pacifick Sea, and in the straights of Magellanica, &c.

The fifth and last is of the Moon upon the 21. of December, at our 10 hours, ante Meridicm, 'tis a very great Eclipse, and will shew it self to our Antipodes, and to such people as dwell in California, the Gulph of Mexico, New-Spain, Granada, Barbados, in the Islands Los Mongos, La Veniza, &c.

The causes of Eclipses are natural, and there is no year but there are some; the Eclipse of the Sun is alwayes in the New-Moon, and the reason of it is, because the Moon being under the Sun, doth then come between the Sun and our sight, and so by the thickness of her body doth hinder the beams of the Sun from shining upon us. The Moon is Eclipsed alwayes at the full, and the reason is, because then the body of the earth being between the Sun and Moon, doth hinder the beams of the Sun from shining upon the Moon; and so the Moon having her light from the Sun, doth become dark; when the earth hides the Sun from her.

Yet these Eclipses happen not every New and Full Moon, but only when the Moon is in the Ecliptique line, which is (as I may call it) the path-way of the Sun, from which he never swerves, but the Moon swerveth from this line to the quantity of 5. deg. on either side of it, crossing it in two opposite parts, called Dragons Head, and Dragons Tail, and if the Moon be neer either of these two points at a new or full Moon, there is an Eclipse.



De Anni Revolutione.

THe revolution of the year beginneth (according to the Hypothesis of *Bullialdus*) on Sunday, *March 9.* at 7. hours, 50. minutes, 42. seconds afternoon, at which time *Helios* maketh his ingresse into the first minute of the *Æquinoctial* fiery signe *Aries*, having neither declination from the *Æquinoctiall*, nor amplitude from the *East* or *West* points of the *Horizon* in an oblique *Sphere*, but to those that live in a right *Sphere*, (viz. directly under the *Poles* of the world) who have but one day and one night in the whole year (as in *Greenland*, and other places within the *Artick* and *Antartick* Circles), the *Sun* (at this time) is directly in their *Horizon*; so that it is the beginning of day to those on the *North* side of the *Æquinoctial*, and beginning of night to those on the *South* side thereof. Now those who live directly under the *Æquinoctial* line, have their daies and nights of equall length throughout the whole year, their amplitude and declination being alwayes equall, and at this time *Phœbus* passeth directly over their heads at noon, and casteth their shadow perpendicular: The people that inhabit in these places, have the *Poles* of the world in their *Horizon*, and enjoy one benefit, which no other people in the world besides can, for in twenty four hours all the *Stars*, both *Northward* and *Southward*, do rise and set, so that they can see the *Stars* neer both the *Poles* at once. The calculation whereof *ex Tabulis Britannicis* is as followeth.



*Of the Iulian Year, or our Vulgar
Year, and of the Leap-year,
and the cause thereof.*

*Iulius Caesar, Anno Mundi 3925. 45. years before the
Birth of Christ, and the year before his bloody death, no-
ting the fallensse of the year then used, by the counsell of
Sostigenes (an excellent Mathematician) made the year to
consist of 365. daies, and six hours: And because it would
be very difficult to compute these six hours every year;
for should you begin the year at twelve of the clock and six
hours, it must end the next year at twelve and six hours,
and the next following would begin at midnight, &c. So
that we should drive the beginning of the year, every four
years, a day further, without the getting of a day; so that in
124. years the Annunciation of Mary would fall to be where
S. Mark Evangelist is, or a day sooner.*

To avoid which inconvenience, *Caesar* concluded, that at
every four years there should be a day gotten by the surplus
of the six hours in every year, for four times six, makes
twenty four hours, which day he added to *February*, for
that it is the shortest moneth, and according to the Ancient,
and also according to our Churches accompt, the last
moneth; and this day they put at the twenty fifth of *Febru-
ary*, so that the letter *F* is twice repeated, *St. Matthias*
day being observed upon the latter, according to the verse.

*Bissexturn sexta Martis tenuere Calendæ;
Posteriore die celebrantur festa Matthiæ.*

Eland.

So that the *Julian* Year is twofold, viz. *Julian* and *Bissex-*
tile; it is called *Bissextile*, of *Bis* and *Sex*, because the six
 Calends of *March* is twice repeated: so it may be called
Annus Intercalaris, because of the day that is put between;
 so may *February* (in that respect) be called, *Mensis intercala-*
ris: and so may the 25. of *February* that year, be called,
Dies intercalaris.

But since the *Romans* have found, that this *Julian* year
 was too great, and by help of *Antonius Libani* they have a-
 bated the quantity of the year, making it to consist of 365.
 daies, 5. hours, 49. min. and 12. sec. whereby their accompt
 in the celebration of the Festival daies, and of the times in
 the year, differeth eleven daies from ours, as you may ob-
 serve in the *Kalender*; and yet is neither of these accompts
 precisely true, by occasion of the unequal precession of the
Equinoctial points, of which here is no place to speak.

By this you may gather a week hath seven daies, or 168.
 hours, a moneth four weeks, 30. daies, or 720. hours, (I
 speak of solar moneths) and a year 52. weeks, 12. moneths,
 365. daies, or 8760. hours: But the Leap-year hath 366.
 daies, or 8784. hours, wanting indeed (according unto
 true calculation) 47. minutes, and 12. seconds: And so
 much doth every four years differ from our *Julian* year,
 which is 11. minutes, and 48. seconds every year.

A Table

1656.

A Table shewing the time of the Moons coming to the South, the first six Months of this Year.

	January		Februar.		March		April.		May.		June.	
	H	M	H	M	H	M	H	M	H	M	H	M
1	11	A 38	0	M 59	0	M 34	1	M 58	1	M 34	3	M 36
2	0	M 37	1	49	1	25	2	53	3	25	4	18
3	1	33	2	37	2	15	3	45	4	13	4	56
4	2	24	3	25	3	6	4	36	4	59	5	35
5	3	13	4	14	3	58	5	27	5	41	6	15
6	4	0	5	3	4	52	6	13	6	22	6	55
7	4	46	5	55	5	42	6	57	7	1	7	37
8	5	33	6	45	6	33	7	39	7	40	8	23
9	6	21	7	36	7	21	8	19	8	20	9	13
10	7	9	8	25	8	7	9	0	9	2	10	8
11	7	59	9	12	8	51	9	38	9	47	11	4
12	8	50	9	57	9	32	10	20	10	35	0	A 4
13	9	39	10	41	10	11	11	4	11	27	1	3
14	10	27	11	20	10	51	11	49	0	A 23	2	0
15	11	13	0	A 0	11	32	0	A 40	1	21	2	54
16	11	58	0	41	0	A 14	1	33	2	19	3	45
17	0	A 39	1	20	0	58	2	29	3	18	4	33
18	1	20	2	2	1	43	3	22	4	11	5	20
19	1	59	2	45	2	34	4	22	5	1	6	7
20	2	39	3	32	3	27	5	19	5	50	6	54
21	3	18	4	23	4	22	6	11	6	37	7	42
22	3	59	5	15	5	20	7	0	7	22	8	33
23	4	44	6	11	6	16	7	48	8	10	9	24
24	5	32	7	9	7	11	8	36	8	58	10	17
25	6	22	8	7	8	5	9	24	9	47	11	8
26	7	18	9	4	8	55	10	12	10	40	11	59
27	8	17	9	59	9	45	11	3	11	38	0	M 45
28	9	17	10	51	10	34	11	56	0	M 26	1	29
29	10	16	11	43	11	22	0	M 48	1	18	2	11
30	11	14		0	M 14	1	41	2	7	2	51	
31	0	M 7		1	5		2	53				

A Table shewing the time of the Moons coming to the South, the last six Months of this Year.

DAYS	July.		August.		Septem.		October		Novem.		Decem.	
	H	M	H	M	H	M	H	M	H	M	A	M
1	3	M	33	4	M	14	5	M	39	6	M	10
2	4		8	5		1	6		35	7		0
3	4		49	5		50	7		31	8		13
4	5		30	6		41	8		26	9		48
5	6		14	7		36	9		22	9		43
6	7		1	8		34	10		15	10		36
7	7		52	9		33	11		6	11		27
8	8		49	10		29	11		58	0	A	15
9	9		47	11		25	0	A	48	1		59
10	10		46	0	A	18	1		42	2		41
11	11		44	1		10	2		35	3		20
12	0	A	41	2		0	3		30	4		59
13	1		34	2		50	4		25	5		39
14	2		25	3		42	5		19	5		17
15	3		14	4		34	6		10	6		54
16	4		3	5		26	7		0	7		41
17	4		52	6		20	7		47	7		29
18	5		40	7		12	8		31	8		19
19	6		31	8		3	9		11	9		13
20	7		22	8		51	9		52	9		8
21	8		15	9		37	10		32	10		6
22	9		7	10		19	11		9	11		0
23	9		57	11		1	11		51	0	M	55
24	10		45	11		40	0	M	33	1		45
25	11		30	0	M	19	1		18	1		33
26	0	M	12	1		0	2		2	2		22
27	0		52	1		40	2		55	3		10
28	1		32	2		27	3		49	4		58
29	2		10	3		8	4		44	5		48
30	2		51	3		55	5		37	6		38
31	3		31	4		46			7			32

1656.

A Table of the Right Ascension, and Semidiurnal Arches, of thirty of the principallest fixed Stars, calculated for this present year, 1656.

Names of the Stars.	Right as- cension.		Semidiur- nal arch.	
	ho.	min.	ho.	min.
Andromeda's girdle	0	52	10	2
Former horn of the Ram	4	36	7	37
Hinder horn of the Ram	1	37	7	46
South foot of Andromeda	1	42	Sets not.	
The Rams head	1	48	8	7
The head of Medusa	2	46	Sets not.	
Bright Star of the Pleiades, or seven Stars	3	27	8	14
North eye of the Bull	4	8	7	42
South eye of the Bull	4	16	7	26
Hircus the Goat	4	51	Sets not.	
Left foot of Orion	4	58	1	14
Left shoulder of Orion	5	7	6	31
First in Orions girdle	5	14	1	36
Orions right shoulder	5	36	6	38
The greater dog, Sirius	6	31	4	31
The lesser dog, Procyon	7	21	6	32
The heart of Hydra	9	11	6	37
Βασίλειον the Lions heart	9	49	7	13
Lions tail	11	30	7	31
Uindimatrix	12	45	7	9
The Virgins Spick	13	7	5	11
Arcturus	14	0	8	22
South balance	14	32	4	40
North balance	14	59	5	17
Bright star of the Crown	15	24	8	36
Antares, the Scorpions heart	16	8	3	23
Bright star of the Vulture	19	34	Sets not.	
Fomalhaut	22	38	2	28
Scheat	22	47	8	42
Marchab	22	48	7	12

A Table of the Suns right Ascension in hours and minutes, every other day this year.

Days	January		February		March		April		May		June	
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.
1	19	32	21	41	23	27	01	20	03	13	05	17
3	19	41	21	49	23	34	01	27	03	10	05	26
5	19	51	21	57	23	42	01	35	03	28	05	34
7	19	58	22	05	23	49	01	42	03	37	05	43
9	20	80	22	12	23	56	01	49	03	44	05	51
11	20	15	22	20	00	04	01	56	03	52	05	59
13	20	23	22	27	00	11	02	04	04	01	06	07
15	20	32	22	35	00	18	02	12	04	08	06	15
17	20	41	22	43	00	25	02	19	04	16	06	24
19	20	49	22	50	00	32	02	26	04	25	06	33
21	20	57	22	57	00	40	02	34	04	32	06	40
23	21	05	23	05	00	47	02	42	04	41	06	49
25	21	13	23	12	00	54	02	49	04	48	06	57
27	21	21	23	20	01	02	02	57	04	57	07	50
29	21	29			01	09	03	05	05	01	07	14
31	21	38			01	16		05	13			
Days	July		August		Septem.		October		Novem.		Decem.	
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.
1	07	21	09	24	11	18	13	06	15	06	17	14
3	07	30	09	31	11	25	13	14	15	14	17	23
5	07	39	09	39	11	32	13	21	15	22	17	31
7	07	46	9	46	11	39	13	29	15	30	17	40
9	07	54	09	54	11	46	13	36	15	39	17	50
11	08	01	10	01	11	54	13	44	15	48	17	59
13	08	10	10	08	12	01	13	52	15	56	18	07
15	08	18	10	16	12	08	13	59	16	05	18	16
17	08	25	10	23	12	15	14	07	16	13	18	25
19	08	34	10	30	12	22	14	14	16	22	18	35
21	08	42	10	38	12	29	14	22	16	30	18	44
23	08	45	10	45	12	37	14	30	19	39	18	52
25	08	57	10	52	12	44	14	38	16	47	19	01
27	09	05	10	59	12	51	14	46	16	57	19	09
29	09	12	11	07	12	59	14	54	17	05	19	18
31	09	20	11	14			15	02		19		27

The use of the two foregoing Tables, for finding the
 Southing, Rising, and Setting of any of the fixed
 Stars therein mentioned.

First, for their Southing.

If you would know the time of any of these Stars coming
 to the Meridian, or South point, you must first seek the
 right ascension of the Star from which you must substract the
 right ascension of the Sun, and the remainder is the time of
 the stars coming to the South: so that seeing any of them
 upon the Meridian or South point, find but his Southing, and
 that is the true hour of the night.

Secondly, for their Rising and Setting.

If you desire the time of Rising, you must (by the last Co-
 lumn in the Table) find the Semidiurnal arch, which
 substracted from the time of Southing, leaves the rising, and
 if you add it; you shall have the setting.

Example:

Suppose on the third of January I desire to know when the
 great dog Star Syrius comes to the South; First (by the Ta-
 ble) I find his right ascension to be six hours thirty one mi-
 nutes, then I look the right ascension of the Sun, January 3.
 which is nineteen hours fourty one minutes; and because I
 cannot deduct nineteen hours fourty one minutes from six
 hours thirty one minutes, I add twenty four hours, and from
 that sum thirty hours thirty one minutes, I substract nineteen
 hours fourty one minutes, the remainder ten hours fifty mi-
 nutes is the time of his coming to the South; therefore if I
 espie him on the Meridian that night, I conclude it to be fif-
 ty minutes past ten a clock.

Now to know the same night his rising, I seek his Semidi-
 urnal arch, which is four hours thirty one minutes, which
 substracted from ten hours fifty minutes, the time of his
 Southing, leaveth six hours nineteen minutes, the time of
 his rising; but adding them together, it giveth the time of
 his setting at twenty one min. past three next morning. Now
 if you see him in the East or West Horizon, one hour, or two
 hours high, you may easily know the time of the night, by
 adding his altitude to his rising or setting. A

Stand

A Table containing a general Judgment of the Ayr, by the Conjunctions and Aspects of the Planets.

Spri.		Wind and rain	Turbulent ayr	Dry and windy
Sum.	h	Hail and thun.	Thun. and heat	Thun. & light.
Aut.	u	Wind and rain	Winds	Dry and windy
Win.		Turbulent ayr	Temperate	Remiss of cold
Spri.		Rain and thun.	Windy	Much rain
Sum.	h	Thun. and hail	Thun. & light.	Small rain
Aut.	g	Rain, tempests	Winds	Rain
Win.		Remiss of cold	Remiss of cold	Rain or snow
Spri.		Cold rain	Springing wea.	Wind and rain
Sum.	h	Hail, rain, thun.	Pleasant heat	Thun. and hail
Aut.	o	Cold rain	Clear weather	Wind and hail
Win.		Snow or rain	Warm ayr.	Snow or rain
Spri.		Cold rain	Great winds	Sometimes hail
Sum.	h	Sudden rain	Wind and thun.	Thunder
Aut.	g	Cold rain	Wind & moist.	Intemperate
Win.		Snow or rain	Wind and rain	Variable
Spri.		Wind and rain	According to	In airy So. wi.
Sum.	h	Windy	the sign com-	In water, rain
Aut.	g	Winds & Clo.	monly white	Ever rain, if
Win.		Winds & snow	Clouds & fair	be retrograde
Spri.		Clouds & moist.	Moist weather	According to
Sum.	h	Cool rain	Thunder	the time, and
Aut.	c	Cloudy	Small rain	the Planets
Win.		Clouds & snow	Rain, mists	predominant.
Spri.		Sweet showers	Clouds, moist	Variable, of
Sum.	g	Rain or albu.	Remiss heat	the nature of
Aut.	g	Variable	Cloudy	the sign.
Win.		Sometimes flood	Winds & snow	

The use of this Table.

IF you would know the inclination of the ayr any day in the year, observe what aspects of the Planets are upon that day, and seek the Characters of the Planets in this Table, and in the same part against the Season you shall have your desire.

A Table

Shillings.

Pounds.

Tens of pounds.

Tables of Interest at 6 per Cent.

	1 Moneth			3 Moneth			6 Moneth			9 Moneth			12 Moneth		
	s	p	f	s	p	f	s	p	f	s	p	f	s	p	f
1	0	0	0	0	0	0	0	0	1	0	0	2	0	0	2
2	0	0	0	0	0	1	0	0	1	0	1	0	0	1	1
3	0	0	0	0	0	2	0	1	0	0	1	2	0	2	0
4	0	0	0	0	0	2	0	1	1	0	2	0	0	2	2
5	0	0	1	0	0	3	0	1	3	0	2	2	0	3	3
6	0	0	1	0	1	0	0	2	0	0	3	1	0	4	1
7	0	0	1	0	1	1	0	2	2	0	3	3	0	5	0
8	0	0	1	0	1	1	0	2	3	0	4	1	0	5	2
9	0	0	2	0	1	2	0	3	0	0	5	0	0	6	1
10	0	0	2	0	1	3	0	3	2	0	5	1	0	7	0
1	0	1	0	0	2	2	0	7	0	0	10	3	1	2	1
2	0	2	1	0	7	0	1	2	1	1	9	2	2	4	3
3	0	3	2	0	10	3	1	9	2	2	8	1	3	7	0
4	0	4	3	1	2	1	2	4	3	3	7	0	4	9	2
5	0	6	0	1	6	0	3	0	0	4	6	0	6	0	0
6	0	7	0	1	9	2	3	7	0	5	4	3	7	2	1
7	0	8	1	2	1	1	4	2	1	6	3	2	8	4	3
8	0	9	2	2	8	2	4	9	2	7	2	1	9	7	0
9	0	10	3	2	4	1	5	4	3	8	1	0	10	9	2
10	0	1	0	0	3	0	0	6	0	0	9	0	0	12	0
20	0	2	0	0	6	0	0	12	0	0	18	0	2	4	0
30	0	3	0	0	9	0	0	18	0	0	27	0	3	16	0
40	0	4	0	0	12	0	1	4	0	1	16	0	4	8	0
50	0	5	0	0	15	0	1	10	0	2	5	0	5	0	0
60	0	6	0	0	18	0	1	16	0	2	14	0	5	12	0
70	0	7	0	1	1	0	2	2	0	3	3	0	6	4	0
80	0	8	0	1	4	0	2	8	0	3	12	0	6	16	0
90	0	9	0	1	7	0	2	14	0	4	1	0	6	28	0
100	0	10	0	1	10	0	3	0	0	4	10	0	6	0	0

If you would know the Interest of any sum of money under a 100. pounds, look in the Table for the sum in the first Column, and right against it you shall have the interest for 1 Moneth, 3 Moneths, 6 Moneths, 9 Moneths, or a Year, in pounds, shillings, and pence.

**A brief Chronology of some Memor
Accidents, untill this present year, 165**

The Creation of the World

Noahs Flood

Brute entred this Island; and built London

England first received the Christian Faith

The Danes first entred England

Duke William conquered England

Westminster-Hall built

London first obtained to be governed by She- }
riffs and Mayors in 1 Rich. 1.

The extremity of the Suns heat kill'd many

The first Invention of Guns

The Invention of Printing

Printing brought into London

The battel at Bolworth, Anno 2. Rich. 3.

The damnable Gunpowder-Treason, Nov. 5. 1605.

The Parliament began, Nov. 3. 1640.

The Earl of Strafford was beheaded

Cheapside Cross demolished, May 2.

The Book of Common-Prayer null'd

Bishop of Canterbury beheaded

Naseby Fight

Pomfract Castle surrendred

King Charles beheaded at W. H.

The Scots Army of 21000. invaded England

under D. Hamiltons Command, July 11. 1648.

The Fight at Worcester

Since

FINIS.